

9 wherein said insulation layer is composed of a different material from said etch stop layer; a
10 plurality of induction coil trenches that are formed within said insulation layer; and induction
11 coil seed layer that is disposed within said induction coil trenches, and a plurality of induction
12 coil turns that are fabricated upon said seed layer within said induction coil trenches;
13 a flat upper surface being formed upon said P1 pedestal and said induction coil structure;
14 a write gap layer being disposed upon said flat upper surface; and
15 a P2 pole, including a body portion and a P2 pole tip portion, being disposed upon said
16 write gap layer.

1 15. (Twice amended) A hard disk drive comprising:
2 a motor for rotating a spindle;
3 a magnetic medium disk mounted on said spindle;
4 an actuator assembly including a magnetic head for writing magnetic information on said
5 disk, said magnetic head including:
6 a substrate;
7 read head elements being fabricated upon said substrate;
8 a P1 pole being fabricated upon said read head elements;
9 a P1 pole pedestal being disposed upon said P1 pole in magnetic connection therewith;
10 an etch stop layer being disposed upon said P1 pole; said induction coil structure
11 including an electrical insulation layer that is disposed upon said etch stop layer, wherein said
12 insulation layer is composed of a different material from said etch stop layer; a plurality of
13 induction coil trenches that are formed within said insulation layer; and induction coil seed layer

14 that is disposed within said induction coil trenches, and a plurality of induction coil turns that are
15 fabricated upon said seed layer within said induction coil trenches;
16 an induction coil structure being fabricated upon said etch stop layer;
17 a flat upper surface being formed upon said P1 pedestal and said induction coil structure;
18 a write gap layer being disposed upon said flat upper surface; and
19 a P2 pole, including a body portion and a P2 pole tip portion, being disposed upon said
20 write gap layer.